SIGNAMAX
CONNECTIVITY SYSTEMS

CommandView

8-Port KVM SWITCH
with On-Screen Display

MODEL FO-098-8080

PREVENTING RADIO & TV INTERFERENCE

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

LIMITED WARRANTY

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ITS DOCUMENTATION.

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INTRODUCTION

General Information

The Signamax Connectivity Systems CommandView™ model FO-098-8080 is a Keyboard/Video/Mouse (KVM) controller that provides the easiest and most cost-effective way for one user to access multiple computers.

Switching from one computer to another is easily done by pressing Hot Keys or push buttons, or via the most convenient way, the On-Screen Display (OSD) menu. Because the CommandView™ model FO-098-8080 is an intelligent controller, it can intercept and process Hot Keys directly from the keyboard. Therefore, NO extra software is required to be installed, so there are no software incompatibility problems to worry about.

The Signamax CommandView™ model FO-098-8080 also incorporates a mouse conversion feature, which eliminates the redundancy and inconvenience of needing both a PS2 and a Microsoft serial mouse to be attached to the console. Moreover, the innovative OSD interface offers the operator

a more user-friendly operating environment.

The CommandView™ model FO-098-8080 can control 8 PCs in standalone operation; in case more PCs are needed, up to 8 levels of switching can be chained together to allow a maximum of 64 PCs sharing one console. A powerful SCAN feature scans all powered-on computers one by one and stops upon user requests. The CommandView™ model FO-098-8080 is ideal for server rooms, control rooms, test rooms, and similar environments.

Features

- Supports PC-AT & PS/2 keyboard, PS/2 mouse as well as Microsoft IntelliMouse.
- Supports Microsoft serial mouse by conversion; only a PS/2 mouse is needed for the console.
- Keyboard and Mouse emulation for all inactive channels.
- Supports SVGA, VGA and Multisync monitors.
- Supports VESA DDC1/2B standard.
- Supports On-Screen Display (OSD) interface.
- Channel name is user-definable via the OSD menu.
- PC selection by keyboard or push buttons.
- Buzzer sounds to confirm switching.
- Scan and manual mode selection.
- Keyboard Caps Lock, Num.Lock, Scroll Lock states and typematic rate automatically saved and restored when

switching among computers.

- Scan mode automatically switches through powered-on computers; scan rate is user-selectable via the OSD menu.
- Designed as a desktop and 19” rackmount unit.
- Supports chaining ports; allows up to 8 levels, with a maximum of 64 PCs able to share one console.
- Saves space, energy and the cost of duplicated equipment.

Package Contents

CommandView Model FO-098-8080 KVM Switch	x 1
DB37 male to male Chain Cable	x 1
User's Manual	x 1
AC Power Adapter	x 1
Rack mount accessories	x 2
Rubber foot pad	x 4

Specification

Model	FO-098-8080
Power supply	AC 16V 1000mA
Number of PC port	8
PC selection method	Push-button/Keyboard Hot keys/OSD menu
Scan interval	5/10/20/40 seconds
Signal type	VGA/Keyboard/Mouse/Stereo Audio/Microphone
VGA bandwidth	200 MHz
Chain ability	8 levels
Console connectors	
Keyboard(PS/2)	1 Mini-DIN6/F
Mouse(PS/2)	1 Mini-DIN6/F
VGA Monitor	1 HDB15/F
Stereo(Speaker)	1 3.5mm Stereo socket
Mono(Microphone)	1 3.5mm Mono socket
PC port connectors	
Keyboard(PS/2)	1 Mini-DIN6/F
Mouse(AT)	1 DB9/F
Mouse(PS/2)	1 Mini-Din6/F
VGA Monitor	1 HDB15/M
Stereo(Speaker)	1 3.5mm Stereo socket
Mono(Microphone)	1 3.5mm Mono socket
Chain connector	DB37 female
Cable length	PC to CPUSW: 35m Console to CPUSW: 50m
Enclosure	Metal
Power	AC 16V 1000mA
Weight	8.36 lbs.(3800g)
Dimension	17.5x7.9x3.5 in.(440*200*88 mm)
Operating Environment	32-131℉(0-55℃), 0%-90% RH
Emission	FCC Class A, CE Mark

Connectors and Cables

Console Connectors

Four different types of console connectors are built on the rear panel for connection to the keyboard, monitor, and mouse.

- PS/2 Keyboard—6-pin mini DIN, female.
- PS/2 Mouse—6-pin mini DIN, female
- VGA Monitor—HDB15, female
- Stereo/Mono—3.5mm audio socket

PC Port Connectors

Eight groups of connectors are built on the rear panel for connection to PCs using standard keyboard, monitor and mouse cables. Please refer to “Specification” in page 1000 for detail of each model’s PC port connectors.

RECOMMENDED CONNECTING CABLES

Signamax™ Hydra Cable For PC-To-KVM Switch Extension:

Part Number

C-65T-6/10 (6 or 10 foot lengths) PS/2 Multicoax Extension Cable

Connectors

- Keyboard: PS/2 Mini-DIN 6-Pin Male-Female
- Mouse: PS/2 Mini-DIN 6-Pin Male-Female
- Video: High-Density 15-Pin Male-Female

Function

This cable extends the Keyboard / Monitor / Mouse connection to the KVM Switch or a CPU. This single zip cable avoids the typical unsightly snarl and tangle of multiple cables. Its 50 Micron gold–plated connectors combine with labeled, color-coded connector molds for secure, easy, high-quality connections. The video cable has a ferrite core for the highest video quality.

Signamax™ Hydra Cable For KVM Switch-To-CPU Connection:

Part Number

C-69T-6/10/15/25 PS/2 KVM Switch to CPU Cable

- 6, 10, 15, or 25 foot lengths are available

Connectors

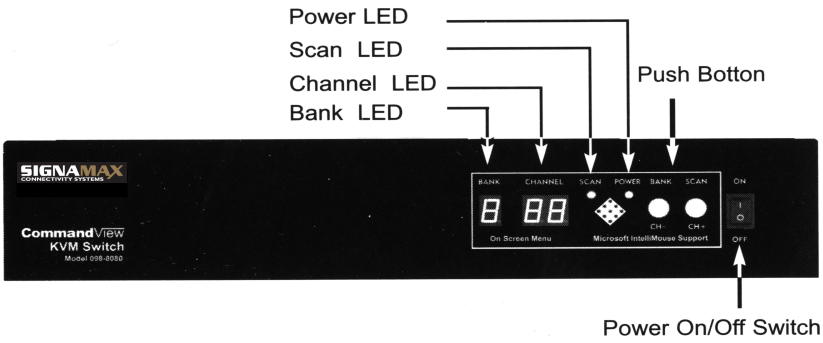
- Keyboard: PS/2 Mini-DIN 6-Pin Male-Male
- Mouse: PS/2 Mini-DIN 6-Pin Male-Male
- Video: High-Density 15-Pin Male-Female

Function

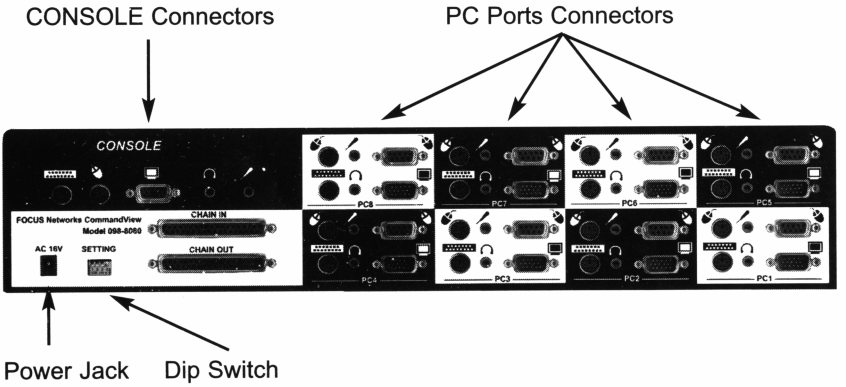
This cable extends the Keyboard / Monitor / Mouse connection from the KVM Switch to a CPU. This single zip cable avoids the typical unsightly snarl and tangle of multiple cables. Its 50-micron gold–plated connectors combine with labeled, color-coded connector molds for secure, easy, high-quality connections. The video cable also has a ferrite core for the highest video quality.

Front & Rear Panel Description

Front Panel



Rear Panel



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INSTALLATION

Operating Environment

The Signamax CommandView™ KVM Switch must be installed and operated within the limits of the specified operating temperatures and humidity (see previous section under *Specifications*). Do not place objects on top of the unit. Do not obstruct any vents at the sides of the unit. Do not position the unit near any heating source such as a heater, radiator, or direct exposure to the sun. Prevent entry of water and moisture into the unit. If necessary, use a dehumidifier to reduce humidity.

Installation

Please make sure that all the PCs are turned off before connecting or disconnecting cables to the Signamax CommandView™ FO-098-8080.

Installing One FO-098-8080

- Set the bank address to 0, the master bank. (please refer

to “DIP Switch settings” chapter)

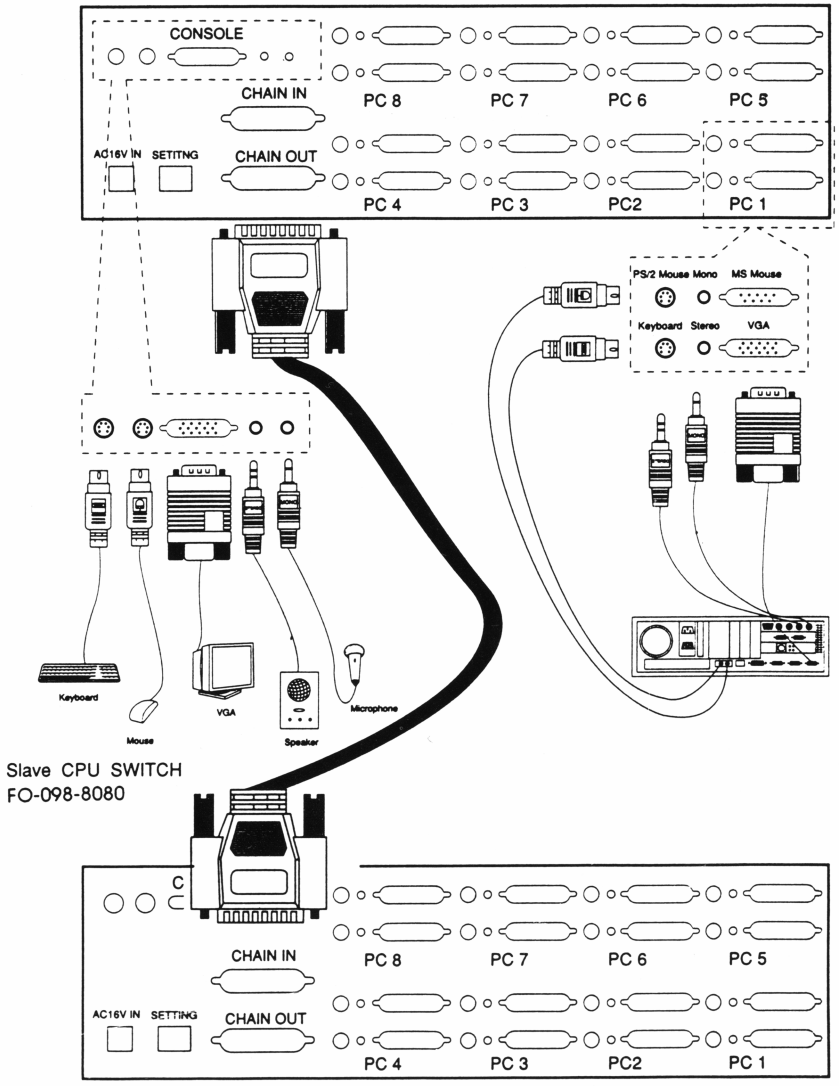
- Connect the console (keyboard, mouse, monitor)
- Connect each PC using the appropriate cable for PC side to the FO-098-8080 PC port.
- Connect the AC power adapter to the FO-098-8080.
- Power on the FO-098-8080, then turn on the PCs.

Installing Multiple FO-098-8080 KVM Switches

- Set one FO-098-8080 bank address to 0, the master bank.
- Set other FO-098-8080 bank address to 1-7, the slave banks. You may choose whatever number you like, as long as the number is between 1-7 and each FO-098-8080 has a different bank address.
- Using the DB37 chain cable, connect from the CHAIN OUT port of master bank to the CHAIN IN port of the first slave bank. Then, using another chain cable, connect from the CHAIN OUT port of the first slave bank to the CHAIN IN port of second slave bank, and so forth.
- Connect the console (keyboard, mouse, monitor) to the **MASTER** FO-098-8080 console port.
- Connect each PC using the appropriate cable for PC side to the FO-098-8080 PC port.
- Connect AC power adapter to each FO-098-8080.
- Power on the slave banks first, then the master bank, then, finally, turn on the PCs.

NOTE: When the FO-098-8080s are configured as a chain operation, only the front panel push button of the MASTER bank is functional.

Master CPU SWITCH
FO-098-8080



Slave CPU SWITCH
FO-098-8080

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OPERATION

You can access any PC by the push buttons on the front panel or Hot Keys on the console keyboard, or the most convenient way, the OSD menu. For a quick starting guide to the OSD menu, please refer to the next chapter.

Front Panel Push Buttons

Select PC by the front panel push buttons:

There are two different modes of push button functions corresponding to the setting of the rear panel MODE DIP SW.

With the MODE DIP SW set to ON:

- The left button is BANK+. If the FO-098-8080 is in chained operation, pushing this button will advance to the next available bank in the cycle.
- The right button is CH+. Push this button to advance to the next powered-on PC in the cycle, and it **will not** cross the bank boundary.

With the MODE DIP SW set to OFF:

- The left button is CH-. Push this button to go back to the previous powered-on PC in the cycle, and it **will** cross the

bank boundary.

- The right button is CH+. Push this button to advance to the next powered-on PC in the cycle, and it **will** cross the bank boundary.

If the CH+ button is pushed and held over 1 second, the SCAN LED will be lit, and the buzzer will beep twice; now the FO-098-8080 KVM Switch is in SCAN mode. To return to NORMAL mode, either push the CH+ button on the front panel and release within 1 second, or press the SPACE bar on the keyboard.

Keyboard Hot Keys

Select a PC by the keyboard hot keys:

Press the Scroll Lock key twice within 1 second to enter Hot Key mode. In Hot Key mode, the keyboard status LED will flash and wait further input from the user; after the user's action is completed, press the ESC key to leave Hot Key mode.

Note: Pressing a key means to depress the key then release it immediately; if the input is correct, the buzzer will beep to confirm it.

- **To switch to the next powered-on PC:**
  → Press the 'RIGHT SHIFT' key.
- **To switch to the previous powered-on PC:**
  → Press the 'LEFT SHIFT' key.
- **To select a BANK directly:**

On Screen Display (O
Interface

Select a PC by the OSD menu:

Press the Scroll Lock key twice within 1 second to e
Key mode. In Hot Key mode, press the SPACE ba
up the OSD menu.

CPU SWITCH	
EDIT AREA	MENU
BANK : 0	: CURSOR UP
☞ 01 : 12345678 ✱	: CURSOR DN
02 :	: PREV. BANK
03 :	: NEXT BANK
04 :	INS : RENAME
05 :	ENTER : SWITCH

on-line help. The following are descriptions of each

- **EDIT AREA**

  - ♦ When the “EDIT AREA” is blinking, it indica this area is selected and you can edit or area.
  - ♦ The “BANK” indicates the current BANK You can use the LEFT/RIGHT arrow key t to other banks if those banks are available.
  - ♦ The “☞” symbol represents the cursor, in which PC is currently selected. You can UP/DOWN arrow key to move the curso desired location.
  - ♦ 01~08: indicates the PC number.
  - ♦ The area behind the PC number is edit/display the name of the PC; the m length of the PC name is 8 characters.
  - ♦ ✶: This symbol indicates that this PC is p on.

- Pressing the F2 key will exit OSD MENU a
  SCAN operation.

NOTE: Only PCs that are powered on can be switc

- **SCAN INTERVAL**

  - While the EDIT AREA is active, press the F
    switch to this area, and the “SCAN INTERV
    blink; then you can use the LEFT/RIGH
    keys to select the desired scan interval. A
    selection is made, press the ENTER key to
    the EDIT AREA.

NOTE: Please pause 1 second between each s
operation if you are making successive s
changes, otherwise sometimes there wil
response due to the delay of the keybo
mouse reset.

How to call up the OSD MENU:

(1) To call up the OSD MENU, press the Scroll L twice rapidly (within 1 second), and press the key.

How to edit the PC name:

(1) Call up the OSD MENU.
(2) Make sure that “EDIT AREA” is blinking and INTERVAL” is not blinking.
(3) Use the Left/Right arrow key to select BANK.
(4) Use the Up/ Down arrow key to move ☞ to the you’d like to edit.
(5) Press the INS key to enter edit mode and star the PC name.
(6) Press the ENTER key to save after editing.

How to select the SCAN TIME:

(1) Call up the OSD MENU.

(2) Make sure “EDIT AREA” is blinking, “SCAN INT
is not blinking, and the unit is not in PC name
mode.
(3) Use the Left/Right arrow key to select BANK.
(4) Use the Up/Down arrow key to move ☞ to the
you’d like to switch to.
(5) Press the ENTER key to switch to the desired
exit the OSD MENU.

NOTE: Only PCs that are powered on can be switc

How to use the OSD MENU to trigger the MODE:

(1) Call up the OSD MENU.
(2) Select SCAN TIME if necessary.
(3) Make sure “EDIT AREA” is blinking. “SCAN INT
is not blinking and not in PC name editing mode
(4) Press the F2 key to trigger the SCAN MODE
the OSD MENU.

How to exit the OSD MENU without switc

DIP SWITCH SETTIN

DIP SWITCHES 1-3 are used to set the Bank Addr

DIP Switch Number			
1	2	3	
ON	ON	ON	BANK 0 M
OFF	ON	ON	BANK 1 SI
ON	OFF	ON	BANK 2 SI
OFF	OFF	ON	BANK 3 SI
ON	ON	OFF	BANK 4 SI

LED DISP

BANK LED:

For the master bank, BANK LED displays the select
number.

For the slave banks, BANK LED displays the bank
of the bank.

CHANNEL LED:

For the master bank, CHANNEL LED displays the
PC number.

For the slave banks, CHANNEL LED is blank.

There is no response when pressing the Hot Key.	is operating in SCAN mode.	or press the bar to exit SC mode before Hot Key commands.
	The selected PC currently doesn't accept keyboard input. (often occurs in a PC boot-up sequence)	Wait for PC t complete its boot-up sequ or change po the push-butt
	Improper keyboard reset.	Unplug, then the keyboard into the conn
There is no response when pressing the front panel push buttons.	The FO-098-8080 is operating in HOT KEY mode.	Press ESC k exit HOT KE mode.
Mouse doesn't work.	The FO-098-8080 is operating in HOT KEY mode.	Press ESC k exit HOT KE mode.

FO-098-80801	Command View 8-Port KVM Switc 110V-AT&PS/2; Rackmountable

KVM Switches: Associated Cables

C-65-T-6	Plugged-In Hydra Cable (Keyboa Video & Mouse to KVM Switch)—
C-65-T-10	Plugged-In Hydra Cable (Keyboa Video & Mouse to KVM Switch)—
C-69-T-6	Plugged-In Hydra Cable (KVM Sw CPU)---6 ft.
C-69-T-10	Plugged-In Hydra Cable (KVM Sw CPU)---10 ft.
C-69-T-20	Plugged-In Hydra Cable (KVM Sw CPU)---20 ft.
C-69-T-30	Plugged-In Hydra Cable (KVM Sw CPU)---30 ft.

KVM Switches---Adapters and Gender Changer

G292T-1	AT(5-pin DIN female) to PS/2 (6-p Mini-DIN male) Keyboard Adapter

Phone: 305-944-7710 Fax: 305-652-8489

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